

## RESOLUTION No. 21-05

### ROLL CALL

VOTING	YES	NO
<b>STEVE M. LEIFSON</b> <i>Mayor (votes only in case of tie)</i>		
<b>CHAD ARGYLE</b> <i>Councilmember</i>	X	
<b>STACY BECK</b> <i>Councilmember</i>	X	
<b>BRANDON B. GORDON</b> <i>Councilmember</i>	X	
<b>MIKE MENDENHALL</b> <i>Councilmember</i>	ABSENT	
<b>KEIR A. SCUBES</b> <i>Councilmember</i>	X	

I MOVE this resolution be adopted: Council member Argyle

I SECOND the foregoing motion: Council member Gordon

## RESOLUTION No. 21-05

### A RESOLUTION AMENDING THE SPANISH FORK CITY WATER CONSERVATION PLAN

WHEREAS Spanish Fork City operates a culinary water system and a pressurized irrigation water system;

WHEREAS Spanish Fork City has adopted a water conservation plan in order to be eligible for grants and loans from the State of Utah for water projects; and

WHEREAS the City Council understands the pressing need to use water

in a more efficient manner to allow for future sustained growth of the community;

WHEREAS the water conservation plan should be updated on a regular basis so that it remains current with growth, environmental standards, and newer technology; and

WHEREAS the City Council held a public hearing on March 16, 2021, at which public comment was received;

NOW, THEREFORE, be it resolved by the Spanish Fork City Council as follows:

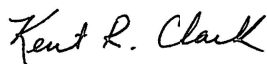
1. **Approval of Water Conservation Plan.** Spanish Fork City hereby amends its water conservation plan, attached hereto as Exhibit A.
2. **Filing.** Staff is directed to file the Report with the Utah State Department of Environmental Quality, Division of Water Resources.
3. **Amendment.** The plan will be amended no less than every five years and will continue to play a vital role in the future development of Spanish Fork City, Utah.
4. **Effective Date.** This resolution shall be effective immediately.

DATED: March 16, 2021.



STEVE LEIFSON, Mayor

Attest:



KENT R. CLARK, City Recorder

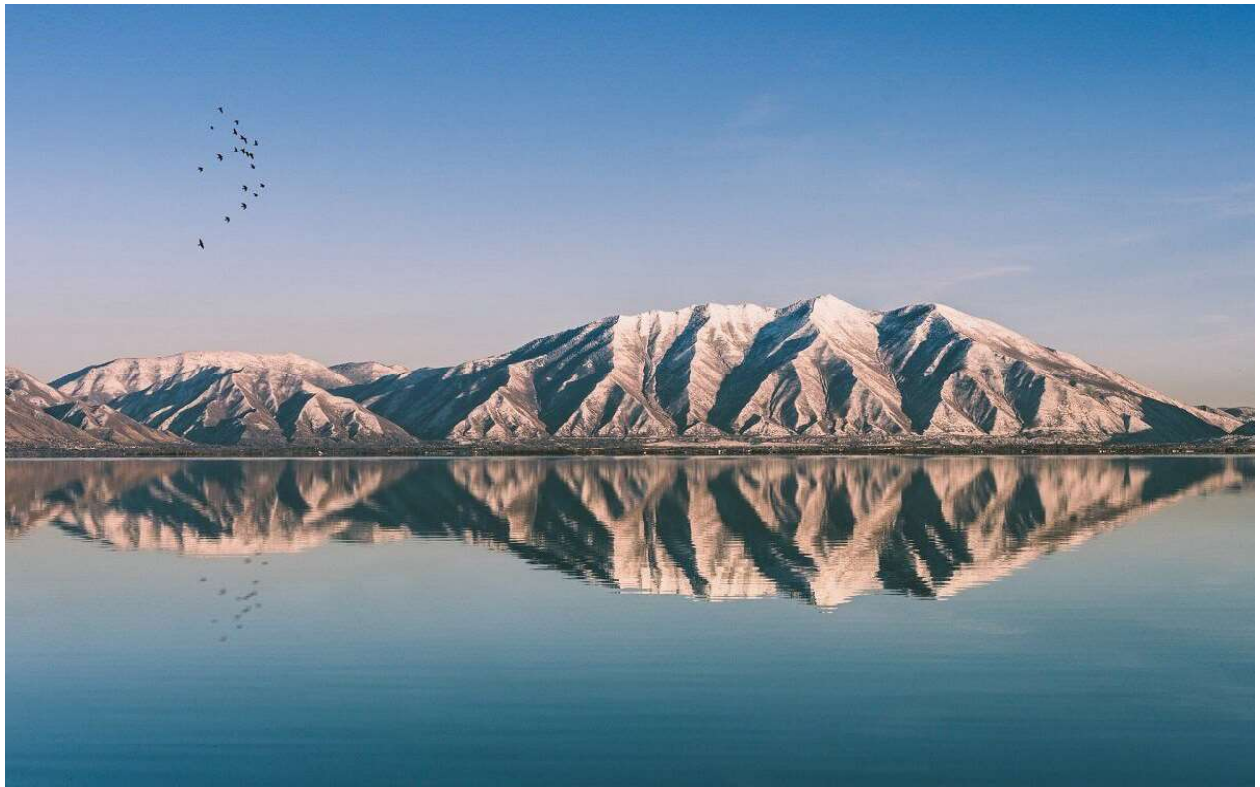


## EXHIBIT A

### WATER CONSERVATION PLAN



# 2019 WATER CONSERVATION PLAN



**WATER CONSERVATION PLAN**

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## Chapter 1 - Introduction

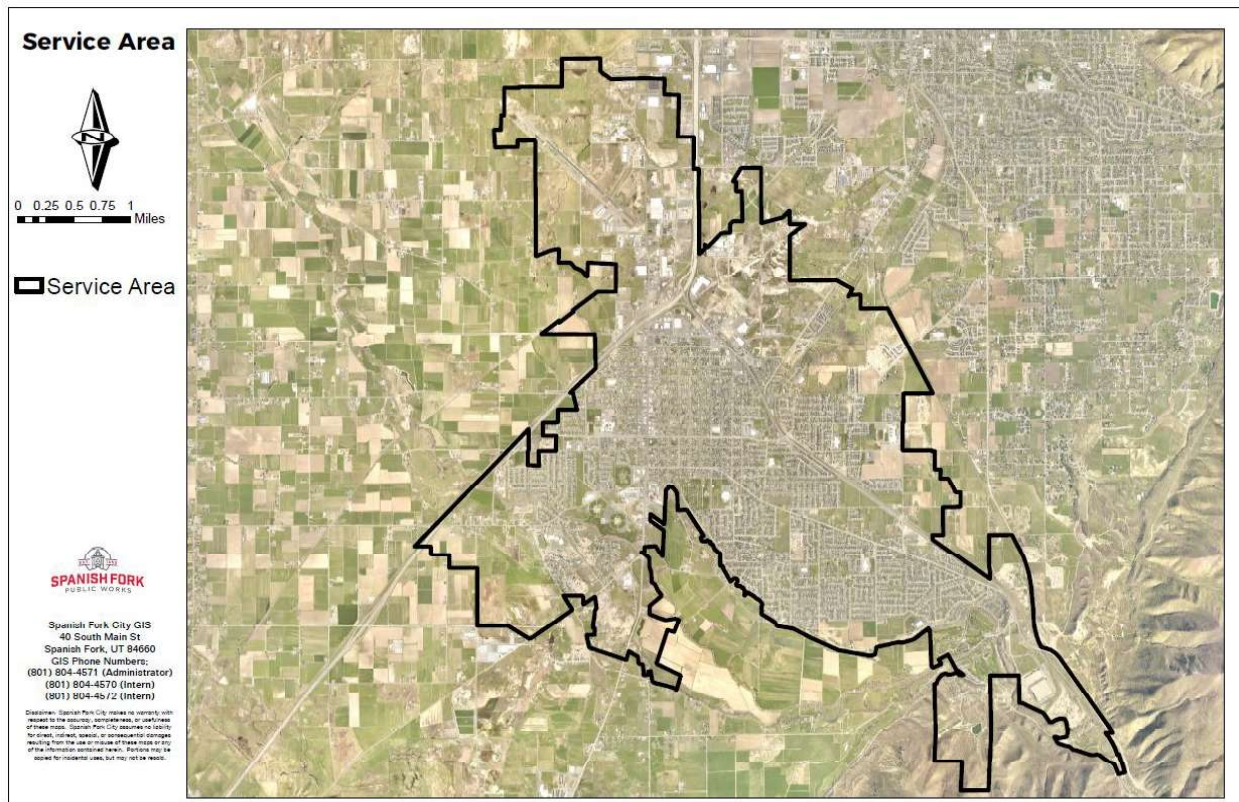
In response to projected future growth along the Wasatch Front, citizens and leaders of Spanish Fork City are concerned about the future water supply in the region. The Utah State Legislature has passed legislation requiring public water suppliers to prepare a Water Conservation Plan and to update the plan periodically. The City prepared the original water conservation plan in 2004. This report is the update of the City's water conservation plan.

This report assesses the water conservation alternatives available to the City, sets goals to conserve water, and identifies existing and proposed water conservation measures to be implemented by the City.

This Plan is submitted to the Division of Water Resources under the requirements of [Section 73-10-32 of the Utah Code](#).

## Chapter 2 - Water System Profile

Spanish Fork City, located in the south central portion of Utah County, has an estimated [population of about 43,330 people \(2019\)](#) according to the Mountainland Association of Governments and the 2010 U.S. Census. Providing water to meet the needs of its citizens has always been a top priority of City leaders and planners. A pressurized irrigation system was installed in 2002 to conserve drinking water quality and to provide customers with water at a lower cost. Currently, the Spanish Fork Municipal Water System serves the entire City with some additional homes on the periphery of the City (Figure 1).



**Figure 1**  
**Map of Current Service Area**

The distribution of City connections is shown in Table 1.

**Table 1**  
**Current Water System Connections**

<b>Connection Type</b>	<b>Drinking Water System</b>	<b>Pressurized Irrigation System</b>
Residential/Domestic	10,995	9,020
Commercial	466	392
Industrial	47	
Institutional	153	
Unmetered	6	
TOTAL	11,667	9,412

Spanish Fork City residents and their leaders place a high value on open space. Spanish Fork City presently has about 347 acres of open space in parks, the golf course, the cemetery, stormwater detention/retention basins and sports fields.<sup>1</sup> Open space around schools and churches was calculated as 184 and 112, respectively; this was found by taking the total boundary of schools and churches minus the buildings. Adding together open space for parks, cemetery, stormwater detention/retention, sports fields, schools and churches, the total acreage of open grassed areas is approximately 643 acres.

Spanish Fork City is presently receiving an above-average portion of the county's residential, commercial, and industrial growth. This growth is causing changes in the way the land within the City limits is being utilized and eventually will strain the ability of the present water supply and delivery system to meet demands. Through careful planning and efficient utilization of available water supplies, these increased needs can and will be met.

## **2.01 Supply - Inventory of Water Resources**

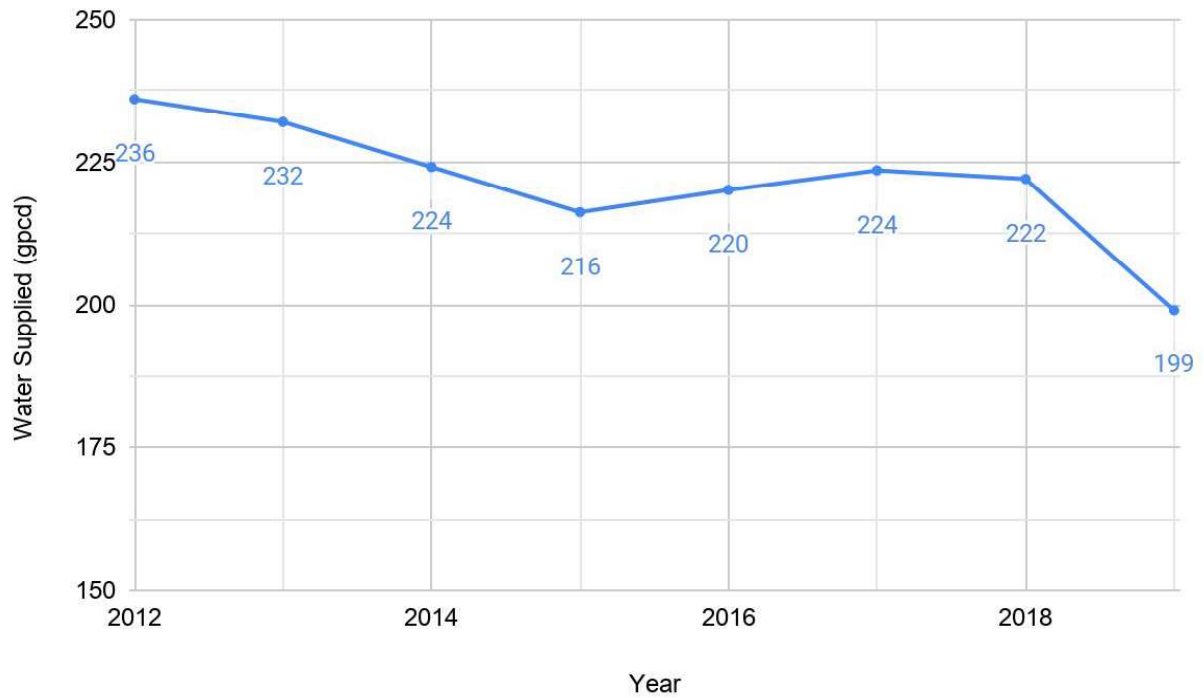
Prior to 2002, Spanish Fork City was withdrawing approximately 9,000 acre-feet of water annually from four springs located in the Spanish Fork River drainage and wells located throughout the City. This supplied the total water required to meet demands on the drinking water system which at the time provided for both indoor and outdoor water uses. Spanish Fork City installed a city-wide pressurized irrigation system in 2002 which reduced the demand on the drinking water supply. Since 2009, a downward trend in water supplied can be observed.

Figure 2 shows that water supplied (gallons per capita per day) has trended downward over the past few years. This evidence should be seen as a success of current water conservation measures and reinforces the importance of the effort to continue existing conservation measures while implementing additional practices to reach conservation goals.

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<sup>1</sup> Found by subtracting the area of asphalt and buildings from the total parks area, which total area is 465 acres.





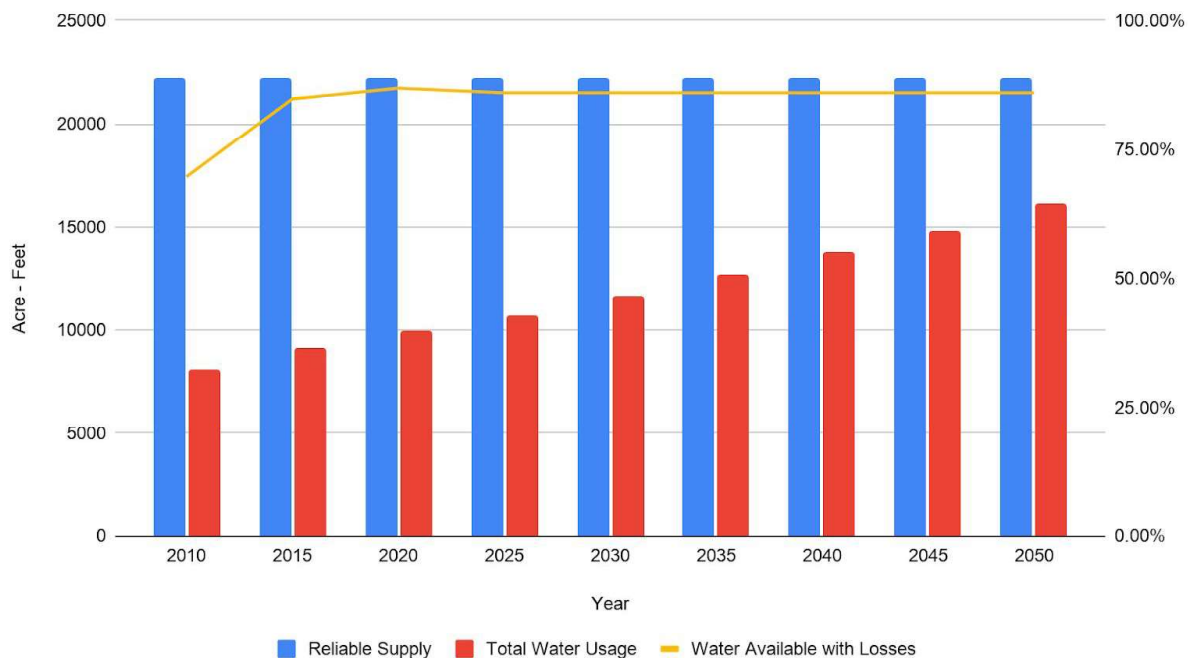
**Figure 2**  
**Water Supplied (gpcpd), 2012–2019**

The City holds shares of stock in several local canal companies. The City also holds several water rights in the Spanish Fork River, Dry Creek and in underground wells. Table 2 summarizes the City's water sources with usage and capacity.

**Table 2**  
**Existing Water Sources Summary**

<b>Drinking Water System</b>			
<b>Source</b>	<b>2018 Water Supplied (gpm) Figured with 365 days</b>	<b>2018 Water Supplied (acre-feet)</b>	<b>Source Supply Capacity (gpm)</b>
Crab Creek	808	1,304	1,400
Cold Springs	637	1028	4,000
Malcomb Springs	1,072	1,730	2,500
Canyon Elementary Well 1700 East (Part Time)	23	37	1,700
Canyon Road 2550 Well	0	0	1,000
<b>DW SUBTOTAL</b>	<b>2,540</b>	<b>4,099</b>	<b>10,600</b>
<b>Pressurized Irrigation System</b>			
<b>Source</b>	<b>2018 Water Supplied (gpm) Figured with 194 days</b>	<b>2018 Water Supplied (acre-feet)</b>	<b>Source Supply Capacity (gpm)</b>
Ensign-Bickford Well	261	224	450
Cemetery #1 Well	383	329	500
Cemetery #2 Well	199	171	1,000
Canyon Road 2550 Well	701	601	1,000
Canyon Elementary Well 1700 East	1286	1103	1,700
Memorial Well	320	275	1,000
Fairgrounds Shop Well	42	36	1,300
2550 East Reservoir	53	45	500
Darger Springs	500	428	1,000
Golf Course Pond	1982	1,699	4,000
Lower Cold Springs	1697	1,455	2,200
<b>PI SUBTOTAL</b>	<b>7,424</b>	<b>6,366</b>	<b>14,650</b>
<b>TOTAL</b>	<b>9,964</b>	<b>10,465</b>	<b>22,550</b>

Figure 3 shows the reliable supply of water sources up until 2050, along with current water use projections and a projection of efficient use. Usage does not exceed supply according to these projections.



**Figure 3**  
**Comparison Graph of Supply and Usage**

## 2.02 Future Water Source

Future water sources are planned that will continue to provide for demand. Future increases in water demand are expected to be the result of development, redevelopment, and population growth rather than increased per capita consumption. According to the Mountainland Association of Governments, Spanish Fork City is projected to reach a population of 72,300 by the year 2050. Future per capita water use is expected to be similar to recent years and continued conservation efforts will reduce per capita water demands. Outdoor water demands tend to follow precipitation patterns from year to year, with more outdoor water use during dry years. It is assumed that water for future water use will come from the transfer of irrigation water to municipal use as farmland is developed.

The Dry Creek Reclamation Pump House may be used to reclaim wastewater from the treatment plant to be used as a secondary source or groundwater/aquifer recharge and would cost approximately \$1.5 million. This

will depend on the Wastewater Treatment Plant meeting current EPA rules for MCLs.

## **Chapter 3 - Water Measurement and Billing**

### **3.01 Measurement Methods and Practices**

Spanish Fork City currently meters water use at all known connections and records data on a monthly basis. A modern meter reading system is being implemented that is capable of monitoring usage at a 1 gallon resolution. With such accuracy, alarms can be enabled to better alert consumers of spontaneous leaks before they reach a critical point in both the drinking water and pressurized irrigation system.

Spanish Fork City has a current program to replace and/or upsize old or undersized water pipelines along streets that need to be reconstructed. The City also replaces meters and laterals that are found to be leaking or defective. These projects are implemented as the City budget allows. The city currently maintains master plans for both water systems; these documents are updated and maintained on a regular basis to help alleviate deficiencies and inefficiencies.

Spanish Fork City maintains two independent water systems, a drinking water and secondary water, or pressurized irrigation, system. Both systems have been metered since 2001. All of our five drinking water and eleven secondary water sources are metered as well. The 11,661 drinking water and 9,020 pressurized irrigation customer connections are all metered. Sources are monitored via SCADA system and customer connections are monitored with an AMI (Advanced Metering Infrastructure) system, maintained by Sensus Analytics. The AMI system collects an hourly usage sample then transmits the meter data every 4 to 6 hours to one of our local towers and then to a cloud database for analysis and storage.

We have an active detection program to locate existing water main and service line leaks. When there is a leak on the customer side of a water meter, the city notifies the utility account holder by mail.

Through meter equipment improvements and grants, we have a customer portal with many functions to aid in a customers water conservation habits. These functions include giving residents the ability to monitor their usage daily or setting up alerts that would trigger an automated notification via email or text.

All utility water connections in Spanish Fork (drinking water and secondary water) are required to be metered per the city Municipal Code 13.04.030 Utility Service, stated below:

“Except as otherwise expressly permitted by this Title, all structures, dwelling units, and establishments using metered utilities from City systems must have such number and type of meters connected to the utility systems as are necessary, in the judgment of the City Engineer, to adequately measure use to the respective users.

“Meters will be furnished by the City at the expense of the applicant, developer, or user, who shall be required to pay for the number of meters to be installed on the premises to cover the cost of the meters and their installation.”

Because our maintenance program for meters is ongoing, we run malfunction reports monthly and repair or replace damaged meter equipment. We also track zero usage meters, testing their operational status and replacing them when they show a significant usage reduction or failure. Our current customer connection meters are the Sensus iPerl for all 3/4” and 1” connections and the Sensus Omni meter for 1.5 to 8” connections. We also have a goal of testing and recalibrating source meters and large customer meters, in house, on a regular basis starting in the next 1 to 2 years.

### **3.02 System Water Loss Control**

A comparison of supplied and metered water is shown in Table 3. The table shows data for both the drinking water and pressurized irrigation systems for years 2007 through 2018. Note that supplied water always exceeds metered water, indicating unaccounted water (losses) in each system. Unaccounted water decreased during the past ten years. In 2018, the percentage of unaccounted drinking water was 25%, much lower than 41% in 2008 and

2009. This suggests that the City's pipe replacement program has been effective in reducing water loss in the drinking water system. For both systems, possible explanations for the unaccounted water use include leaks in the distribution system, meter inaccuracies, and miscellaneous unmetered water use (such as pipe line flushing, construction activities, etc.).

**Table 3**  
**Comparison of Water Supplied to Metered Water Use**

Drinking Water System							
Type	2012	2013	2014	2015	2016	2017	2018
Water Supplied (acre-feet)	4,042	4,151	4,389	3,853	3,984	4,037	4,099
Water Metered (acre-feet)	2,833	2,797	2,833	2,913	2,924	3,122	3,087
Accounted for Unmetered Water (acre-feet)	1,209	1,354	1,556	940	1,060	915	1,012
% Unaccounted for Waste	30%	33%	35%	24%	27%	23%	25%
Pressurized Irrigation System							
Water Supplied (acre-feet)	5,479	5,291	5,405	5,480	5,799	6,194	6,367
Water Metered (acre-feet)	4,696	4,504	4,672	5,003	5,322	5,381	5,618
Accounted for Unmetered Water (acre-feet)	783	787	733	477	477	813	749
% Unaccounted for Waste	14%	15%	14%	9%	8%	13%	12%

### 3.03 Increasing Rate Structure

Spanish Fork City's pressurized irrigation system rate structure is summarized in Table 4. The drinking water system rate structure is summarized in Table 5.

**Table 4**  
**Pressurized Irrigation Rate Structure**

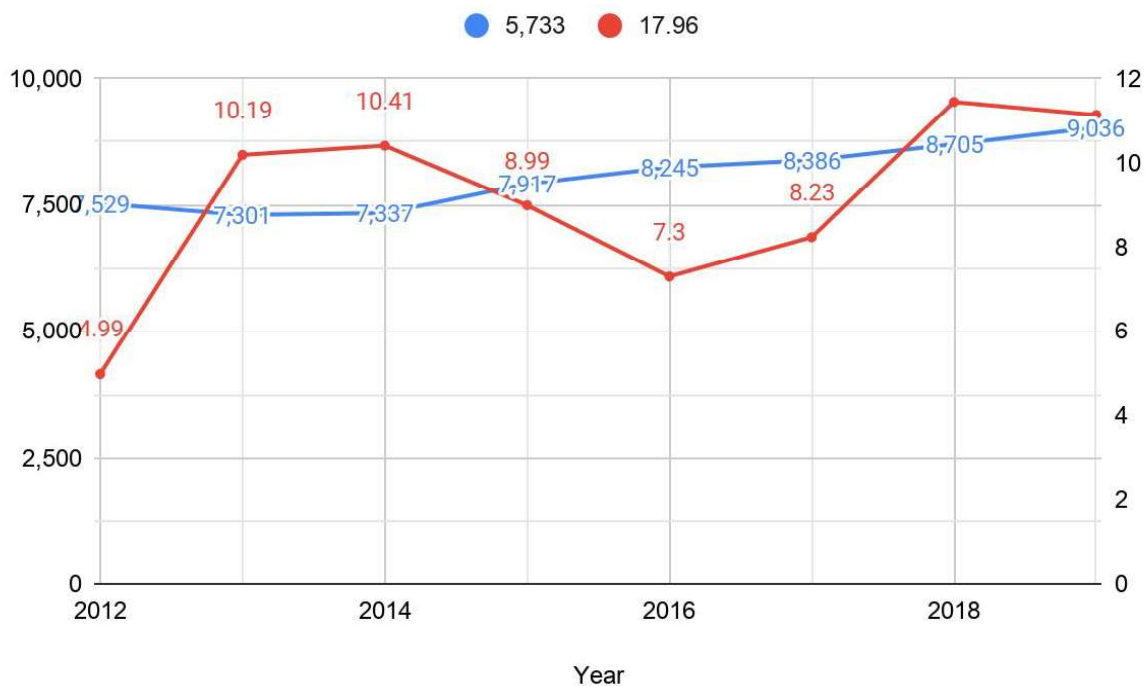
<b>Pressurized Water Rates</b>	<b>FY2019</b>
Base Rate - 1 Inch or less Water Meter	\$11.34
Base Rate - 1.5 Inch or less Water Meter	\$25.52
Base Rate - 2 Inch or less Water Meter	\$45.36
Base Rate - 4 Inch or less Water Meter	\$138.92
Tier 1 Usage Rate (per 1,000 gal)	\$0.82
Tier 2 Usage Rate - 25,000+ (per 1,000 gal)	\$0.97

**Table 5**  
**Drinking Water Rate Structure**

<b>Drinking Water Rates</b>	<b>FY2019</b>
Base Rate - 1 Inch or less Water Meter	\$10.00
Base Rate - 1.5 Inch or less Water Meter	\$22.50
Base Rate - 2 Inch or less Water Meter	\$40.00
Base Rate - 4 Inch or less Water Meter	\$122.50
Tier 1 Usage Rate (per 1,000 gal)	\$1.14
Tier 2 Usage Rate - 6,000+ (per 1,000 gal)	\$1.39
Tier 3 Usage Rate - 18,000+ (per 1,000 gal)	\$2.14

## Chapter 4 Water Usage

Precipitation influences water usage and needed supply. A comparison of metered water use and precipitation (Figure 4) shows the expected trend that water use decreased in above-average precipitation years (the trend is not as apparent for supplied water, which includes wasted and unaccounted water).



**Figure 4**  
**Metered Water Use and Precipitation, 2012–2019**

Table 6 shows the total water deliveries by type (residential, commercial, industrial, institutional, and unmetered) for 2018 in acre-feet. Based on the 2018 service area population estimate of 42,077, the drinking water use is 65 gallons per capita per day (gpcd) and the pressurized irrigation use is 119 gpcd (note that a portion of the City is still irrigated by the drinking water system). Together, the combined per capita water use for Spanish Fork City is 185 gpcd (Table 7). Spanish Fork City's water use is considerably lower than Utah's state average of 240 gpcd in 2015, especially since water systems with separate irrigation systems use more water.



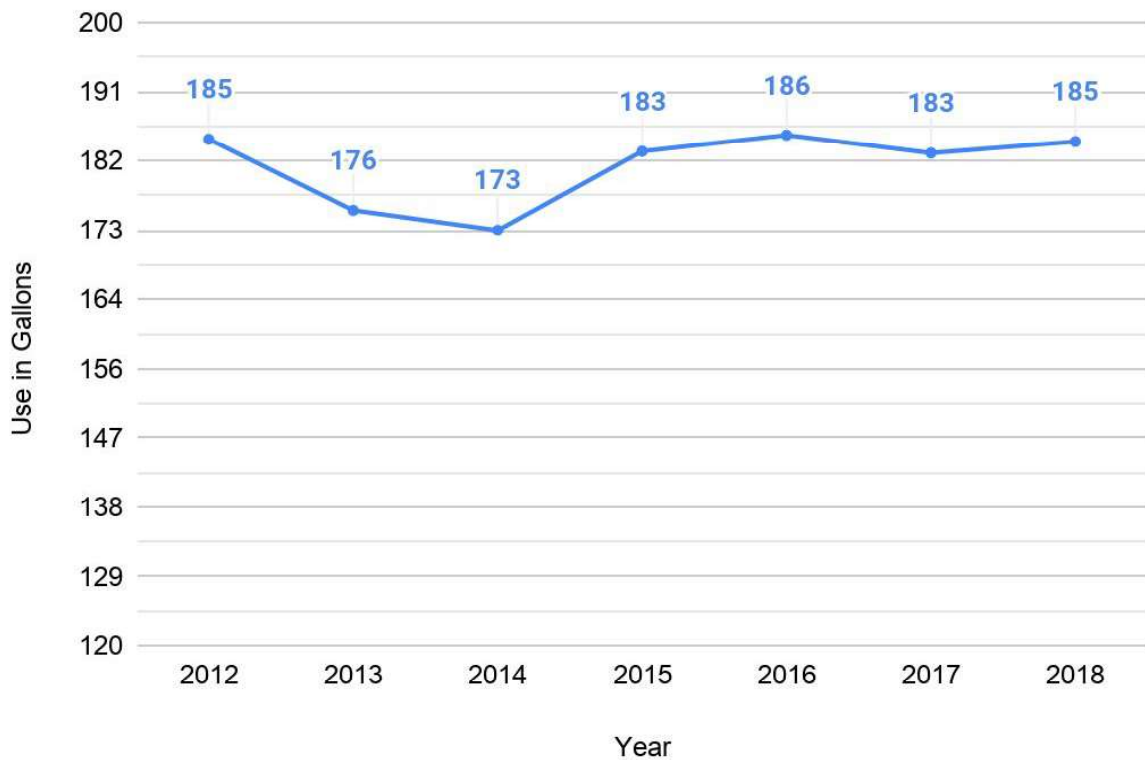
**Table 6**  
**2018 Total Water Deliveries by Type**

<b>Connection Type</b>	<b>Drinking Water System (acft)</b>	<b>Pressurized Irrigation System (acft)</b>
Residential (acre-feet)	2,202	5,618
Commercial (acre-feet)	423	
Industrial (acre-feet)	252	
Institutional (acre-feet)	210	
Unmetered (acre-feet)	77	230
TOTAL	3,164	5,848

**Table 7**  
**Water Use (gpcpd)**

	<b>Indoor (Potable)</b>	<b>Non-Potable (Secondary)</b>	<b>Total</b>
Residential	47	84	131
Commercial	9	0	9
Institutional	4	0	4
Industrial	5	0	5
Non- Residential (PI)	0	35	35
Total	65	119	185

A trend of water use in gallons per capita per day from 2012 - 2018 is shown in Figure 5. Because water usage increased from 2017 to 2018, from 183 to 185 gpcpd, there were no revenue losses due to conservation. Inconsistencies in the City metered water use data before 2012 make data pre-2012 less reliable.



**Figure 5**  
**Water Use Historical Trend (gpcpd)**

## **Chapter 5 Conservation Practices**

### **5.01 Identified Problems**

Spanish Fork City is concerned with the potential waste of water from inefficient indoor and outdoor water use and from system-wide losses. The following specific concerns have been identified by the City:

- A. Many pipes in the drinking water distribution system are old, undersized, and may be leaking.
- B. Comparison of supplied and metered water indicated that 25% of drinking water is unaccounted for.

Spanish Fork City has set goals to address the identified problems and to promote conservation. The City is currently promoting water conservation measures similar to the State of Utah water conservation campaign that was instituted in 2001. Utah's M&I Water Conservation Plan, released in July 2003, sets a statewide goal to reduce per capita water use by 25% from the 1995 usage by the year 2050. Inconsistencies in the Spanish Fork City metered water use data before 2012 makes it impossible to estimate an accurate base use in 2001. Also, the City did not have a pressurized irrigation system in 2001. Water use of 265 gpcd in 2009 will therefore be used as the base water use.

The estimated 2018 water use is 185 gpcd. This represents a 30% decrease from 2009 usage. Precipitation in 2009 was 113% of normal compared to 113% of normal in 2018, suggesting that the decrease in water use was not related to climatic differences. Water use would be expected to be lower in a wet year with all other variables the same. According to the metered water use data, the higher use in 2009 can be attributed to the higher unaccounted for waste in 2009. The City will continue to promote water conservation and reduce unaccounted for waste to achieve the statewide goal of 25% reduction by 2050.

## **5.02 Goals**

Spanish Fork City desires to reduce per capita water use to the goal of 165 gpcd by 2050, representing a 37% reduction from the 2009 value. Per capita water use will be reevaluated every five years to determine if this goal has been reached. The following specific water conservation goals have been identified by the City:

- A. Continue public education efforts including encouraging customers to limit outside watering during high wind and the heat of the day.
- B. Continue to support the water conservation measures currently in effect as defined in Chapter 4.
- C. Determine potential causes for unaccounted water and attempt to reduce this loss.
- D. Consider adoption of conservation-focused landscaping ordinances.
- E. Replace leaking pipelines as they are discovered and as budget will allow.

### 5.03 Existing Conservation Measures

Table 8 identifies water conservation measures the City currently implements. The City will continue these practices. It is not known if existing conservation measures have been effective given the increase in per capita water use since 2001 and the uncertainties regarding the high loss rates included in those figures.

**Table 8**  
**Existing Conservation Measures**

Ongoing Conservation Projects	Practice Implementation
WATER CONSERVATION COORDINATOR:	Responsible for managing the Water Conservation Program i.e. water conservation plan, staying up to date on current Water Conservation practices, submit recommendations on how the City can improve its conservation efforts and updating the City informational content for public education for use on the City website and social media.
WATER CONSERVATION OUTREACH CAMPAIGN:	Promote water conservation measures, like local landscapers that utilize water-wise training, conservation tips, educational content via links to our water conservation partners through: The City's website/The City newsletter. The City's Facebook/Instagram/Twitter page.
BENEFITS OF WATER-EFFICIENT TECHNOLOGY:	By educating residents about the potential benefits of water saving technology, such as weather based smart timers and water-efficient plumbing fixtures, the City, through their public outreach will promote tips and rebates that will aid residents in conserving water, which in turn will save residents money and prolong the life of our water infrastructure.
SMART CONTROLLER PROJECT:	By obtaining a grant Spanish Fork City was able to supply a Rachio Smart Controller for residential application, with installation included to residents free of charge. The goal of the Smart Controller Project is to educate residents about water conservation and reduce daily peak demands to the Pressurized Irrigation system.
METER CONSERVATION GRANT	The City received a grant from CUWCD of \$50,000, to be completed by October 2020, for the replacement of water meters that are incapable of being reconfigured to a 1 gallon resolution. Because these are some of the oldest meters in our system, we hope to bring some accuracy to our water loss, as well as increase our accuracy of detection on customers lines.
DRINKING WATER TIERED RATES:	Spanish Fork City currently has a utility rate structure composed of 3 progressive tiers, charging more for each 1,000 gallons used per tier, as well as a based rate that is dependent on the diameter of the service installed and

	the expected average usage.
PRESSURIZED IRRIGATION SYSTEM TIERED RATES:	Spanish Fork City adopted a 2 tier system for our Pressurized Irrigation system effective January 1, 2020. It has a utility rate structure composed of 2 progressive tiers, charging more for each 1,000 gallons used per tier, as well as a base rate that is dependent on the diameter of the service installed.
CUSTOMER AND HIGH USAGE NOTIFICATION:	Our Utility Billing department sends out a notification letter to customers that have a noticeable increase in their usage that may be an indication of a leak. Because of the METER RESOLUTION RECONFIGURATION, we hope to see greater accuracy with customer notifications.
WATER USE FOR CITY OWNED LANDSCAPED AREAS:	In practicing water-wise irrigation at City-owned properties, sprinkler irrigation systems on public landscaped areas will adjusted to operate: based on the season, during the coolest, least windy parts of the day, implementing water-wise methods whenever possible.
WATER LOSS IDENTIFICATION:	Our ongoing daily detection program and annual water loss reporting will aid the City in identifying water loss origins to update the Drinking Water and Pressurized Irrigation Master Plans. Our Capital Improvement plan will focus on mitigating water loss and leaks. Spanish Fork City has a goal to reduce drinking water loss below 20%.
LEAK DETECTION PROGRAM:	Spanish Fork City purchased Gutermann detection and correlation equipment that was implemented in the spring of 2019 on the Drinking Water system, with plans to utilize the equipment on the Pressurized Irrigation system upon completion of the Drinking Water system.
REPLACEMENT OF AGING WATER MAINS:	The City will replace old/undersized water mains according to the Water Master Plan and Capital Improvement Program of the Water Division, as part of the regular maintenance program to ensure the water systems are well maintained, s are located and repaired in an effort to reduce costly repairs associated with catastrophic failures of water mains.
METER MAINTENANCE PROGRAM:	We have an ongoing meter maintenance program in which we track meter malfunctions regularly, diagnosing meters for repair and replacing meters that are failing. By replacing large customer meters with a more maintenance friendly meter, it gives us the ability to test and reconfigure them for greater accuracy.
AMI METER TECHNICIAN:	Responsible for managing the AMI meter system by troubleshooting and replacing malfunctioning meter equipment and software, tracking and testing zero usage meters, staying up to date on latest manufacturer information and technologies, and training support staff.
SECONDARY PRESSURIZED SYSTEM FOR IRRIGATION:	By providing an independent secondary/pressurized irrigation system the City hopes to help conserve our drinking water supply. Through maintaining the

	pressurized irrigation system and metering we are promoting water conservation as customers pay for actual usage versus a flat rate.
WATER METERS ON THE DW & PI SYSTEM:	Because both the Drinking Water and Pressurized Irrigation systems in Spanish Fork are metered, any existing unmetered service lines located, will be addressed in a reasonable time and a meter will be added.
METER RESOLUTION RECONFIGURATION:	The City began reconfiguring currently installed meters to a 1 gallon resolution for better water usage analytics in customer water use and detection.
UPGRADED METER READING SYSTEM:	The city purchased a software and hardware upgrade(Sensus 4.x AMI System) to streamline usage data storage and analyzation via Sensus Analytics.
ULS-STRAWBERRY CONNECTION:	In the summer of 2019 Spanish Fork City established a direct pipeline connection to the Central Utah Water Conservation District via Strawberry Reservoir for use in the Secondary/Pressurized Irrigation system. A second connection is planned for 2021.

The following Ordinances and Standards are currently being implemented in Spanish Fork City:

- A. Water Waste Prohibition - Spanish Fork City prohibits wasteful use of water in our Municipal Code [13.28.020 General](#).
- B. Model Landscape Ordinance - [15.4.16.130 Landscaping, Buffering Walls, And Fences](#)
- C. Water Shortage Plan - Any water restrictions or limitations are implemented by proclamation of the Mayor, this is found in our Municipal Code [13.28.020 General](#) in paragraph "D. Scarcity".
- D. Climate Resiliency Plan - Through the City's active Emergency Response Plan in an informative [video](#).

An update to City Policy (Construction Standards - Policy 4.39.55) regarding conservation requires all new development and redevelopment projects to install low impact development (LID) infrastructure that will retain and infiltrate a 25-year minimum storm which exceeds the 90th percentile storm minimum required. This policy meets our MS4 permit from the State and EPA. LID recharges the groundwater while reducing volume and pollutants from entering surface waters.

#### **5.04 Contact Information**

Spanish Fork City, (801) 804-4500

Public Works Director, Chris Thomson- [cthompson@spanishfork.org](mailto:cthompson@spanishfork.org)

Water Division Manager, John Waters- [jwaters@spanishfork.org](mailto:jwaters@spanishfork.org)

Assistant Water Division Manager, Paul Taylor- [ptaylor@spanishfork.org](mailto:ptaylor@spanishfork.org)

Water Conservation Coordinator, Jed Ottesen- [jedottesen@spanishfork.org](mailto:jedottesen@spanishfork.org)

## **Chapter 6 - Adoption of Plan**

Pursuant to Subsection 73-10-32(2)(a) of the Utah Code

- A. (a) Each water conservation plan shall contain:
- B. (i) a clearly stated overall water use reduction goal and an implementation plan for each of the water conservation measures it chooses to use, including a timeline for action and an evaluation process to measure progress;
- C. (ii) a requirement that each water conservancy district and retail water provider devote part of at least one regular meeting every five years of its governing body to a discussion and formal adoption of the water conservation plan, and allow public comment on it;
- D. (iii) a requirement that a notification procedure be implemented that includes the delivery of the water conservation plan to the media and to the governing body of each municipality and county served by the water conservancy district or retail water provider; and
- E. (iv) a copy of the minutes of the meeting and the notification procedure required in Subsections (2)(a)(ii) and (iii) which shall be added as an appendix to the plan.



## References

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### Agenda Item Details

Meeting	Mar 16, 2021 - City Council Meeting & Joint Work Session with Planning Commission
Category	8. PUBLIC HEARING
Subject	E. Resolution #21-05 Amending the Spanish Fork City Water Conservation Plan
Type	Action
Recommended Action	Motion to go into Public Hearing Public Comment Motion to go out of Public Hearing  I Move to Approve Resolution #21-05 Amending the Spanish Fork City Water Conservation Plan. Second Roll Call Vote

[Memo - Water Conservation Plan .pdf \(218 KB\)](#)

[RES 21-05 Water Conservation Plan \(1\).pdf \(27 KB\)](#)

[2019 Water Conservation Plan \(1\) \(2\).pdf \(877 KB\)](#)

**Tentative Minutes**  
**Spanish Fork City Council Meeting**  
**March 16, 2021**  
**Spanish Fork Fairgrounds**  
**475 South Main Street**  
**Spanish Fork, UT 84660**

Elected Officials Present: Mayor Steve Leifson, Councilmembers Keir Scoubes, Stacy Beck, Chad Argyle, Brandon Gordon. Absent: Councilmember Mike Mendenhall.

Staff Present: Seth Perrins, City Manager; Vaughn Pickell, City Attorney; Tyler Jacobson, Assistant City Manager; Dave Anderson; Community Development Director; Chris Thompson, Public Works Director; Kent Clark, City Recorder/Finance Director; Lieutenant Brandon Anderson; Scott Aylett, Library Director; Nick Porter, Public Information Officer; Angie Warner, Deputy Recorder.

Citizens Present: Cris Child, Steve Wilson, Jared Morgan, Merlin Hickman, Holly Sweeten, Cameron Garfield, Randy Smith, Adam Losser, Eric Alder.

5:15pm WORK SESSION:

1. URMA Conflict of Interest and Land Use Training with Planning Commission

*Discussion took place regarding the item(s) listed above; no formal actions are taken in a work session.*

6:00pm CALL TO ORDER, PLEDGE, OPENING CEREMONY, RECOGNITION:

Mayor Leifson called the meeting to order at 6:00 p.m.

Motivation/Inspirational Message given by Bennett Gordon.

Councilman Gordon led in the pledge of allegiance.

PUBLIC COMMENTS:

Mayor Leifson welcomed Holly Sweeten from the office of Congressman Burgess Owens.

Ms. Sweeten said she is here from Congressman Owens office and expressed that she wanted to reach out to the citizens of Spanish Fork to welcome any questions or comments and they want to support the community.

Mayor Leifson welcomed public comment.

There was none.

#### COUNCIL COMMENTS:

Councilwoman Beck thanked Bennett Gordon for the message. Councilwoman Beck announced that the Youth City Council finally met and it was great to be back together. They are working with the Chamber of Commerce to plan the drive-thru easter egg hunt. Councilwoman Beck gave an update from the Library Board meeting. Councilwoman Beck announced that the groundbreaking ceremony for the new library will be Monday April 12 at 3:00pm. Then we will look forward to a Fall 2022 ribbon cutting. The Miss Spanish Fork Pageant is accepting applications online for 2021-2022 with a deadline of April 26th. The pageant will be held Saturday May 29th at Spanish Fork High School. The Little Miss pageant is also accepting applications online for girls ages 6-15. The pageant will be held Thursday May 20th, with a deadline of April 15th.

Councilman Scoubes gave an update from the South Utah Valley Animal Shelter Board meeting and the Utah Lake Commission meeting.

Councilman Gordon gave an update on the change of the garbage pickup schedule and how well it is going.

Councilman Argyle gave an update from the Airport Board Meeting.

Mayor Leifson announced that tomorrow is a virtual ribbon cutting at 12:30pm for the new hospital here in Spanish Fork.

SPANISH FORK 101: Great Shake Out - Trevor Sperry

#### CONSENT ITEMS:

- A. Minutes of Spanish Fork City Council Meeting: February 16, 2021
- B. Maple Park Plat D Impact Fee Reimbursement Agreement
- C. SR-147 Corridor Cooperative Agreement with UDOT
- D. Owners' Request for Withdrawal of Property from Agriculture Protection Area
- E. West Interchanges Sewer Easement Agreement with Dawson Sealey
- F. Central Utah Water Conservancy District (CUWCD) Temporary Right-of-Entry Agreement

Councilman Gordon made a Motion to approve the consent items.  
Councilwoman Beck Seconded and the motion Passed all in favor.

#### PUBLIC HEARING:

**Ordinance 202-21 Changing the Zoning Designation and Amending the Official Zoning Map of Spanish Fork City, for the Schriever Law Office Zone Change.**

Dave Anderson said this property is located at 174 South Main on 0.3 acres. This

proposal involves using a really unique zoning tool in order to potentially allow a business to locate on this property even though it would not be meeting some of the city's fundamental elements. The existing structure that has been used as a home in the past has already been retrofitted in order to work as professional office space. The applicant is asking to leave the driveway for the access to the back of the property for parking. Seeing this proposal is for a law office, they do not anticipate high traffic. Mr. Anderson reviewed the findings and conditions:

#### Findings

1. That the proposal conforms to Findings described in the Development Enhancement Overlay.

#### Conditions

1. That the site plan approval is contingent upon approval of the Development Enhancement Overlay.
2. That the existing landscaping in the front and side yards be maintained.
3. That the applicant provides landscaping plans.
4. That the applicant provides cross access easements with the neighboring properties.
5. That the applicant addresses any red-lines.
6. That the applicant addresses the site plan conditions of approval.
7. That if the land use changes, that the new use will be subject to reapproval of the Overlay Zone

Mr. Anderson said the Development Review Committee and Planning Commission recommends approval.

Councilman Argyle Moved to go into public hearing.

Councilman Gordon Seconded and motion Passed all in favor at 6:37pm.

Mayor Leifson welcomed public comment.  
There was none.

Councilman Gordon Moved to go out of public hearing.

Councilman Scoubes Seconded and the motion Passed all in favor at 6:37pm.

Councilwoman Beck Moved to approve Ordinance Z02-21 Changing the Zoning Designation and Amending the Official Zoning Map of Spanish Fork City, for the Schriever Law Office Zone Change based on the findings and subject to the conditions provided in the staff report.

Councilman Scoubes Seconded and the motion Passed all in favor with a roll call vote.

### **Ordinance Z03-21 Changing the Zoning Designation and Amending the Official Zoning Map of Spanish Fork City, for the Sunroc Industrial Zone Change**

Dave Anderson said this proposal is located north of the airport at 3468 North 1150 West and including 40 acres. The applicant is planning to move their operation from

Arrowhead Trail, to this new location. Mr. Anderson reviewed a few of the concerns: rock crusher on site for daily use and fugitive dust.

#### Findings

1. That the proposal conforms to Findings described in the Aggregate Transportation, Storage and Reclamation Overlay.

#### Conditions

1. That the applicant addresses any red-lines.

2. That the applicant demonstrates that the required findings of City Code have been met, as found in City Code 15.3.20.070 Aggregate Transportation, Storage and Reclamation Overlay.

3. That the applicant enter into an agreement to address concerns related to fugitive dust.

Jared Morgan, GWC Capital, who is the land development team for Clyde Companies expressed that there has been a lot of time spent on this project. Mr. Morgan reviewed the following concerns:

Fugitive Dust Regulation - the site will be governed by the Utah Department of Environmental Quality (Division of Air Quality). The facility is also required to meet the Federal EPA's Emission Reporting standards. A fugitive dust control application will be submitted to the DAQ.

Paved Road vs Unpaved Road - They will have a paved road that will decrease the emissions released from 7,000 lbs annually to 80 lbs annually. The emissions emitted from the crusher would be 648 lbs annually.

#### Water Deployment Onsite

Councilman Gordon Moved to go into public hearing.

Councilman Scoubes Seconded and motion Passed all in favor at 7:05pm.

Mayor Leifson welcomed public comment.

Merlin Hickman owns the property to the north. They use their property for a horse pasture and his property is in the county. At the Planning Commission they talked about a berm and fence between the properties. It was said that the fence would only go a certain distance. He wants to keep his irrigation for the land and be able to use it for his horses.

Steve Wilson owns Utah Aviation at the airport. He believes in the concept that Sunroc has proposed. He supports the project. He has been in various meetings and really his only concern is about the dust. He indicated that he believes that Sunroc will control the dust, but he wanted it noted that this is a big concern for the nearby airport.

Cris Child, Airport Manager, expressed that we do have a lot of growth at the airport and the industry. He feels that Sunroc can be good neighbors. He would like to know that if there are dust problems, that there are steps and monitoring that is setup to help take care of the issue.

Councilman Gordon Moved to go out of public hearing.

Councilman Argyle Seconded and the motion Passed all in favor at 7:13pm.

Jared Morgan said to address the fence question, there is a 6 foot masonry wall that will be constructed on three sides. On the fourth side, they are still working with a property owner to see what type of fence to construct.

Cameron Garfield, Environmental Specialist with Clyde Company, said that their plan does go above and beyond what the state requires for a dust mitigation plan. The opacity limit for fugitive dust at the source is 12% opacity.

Councilman Scoubes Moved to approve Ordinance Z03-21 Changing the Zoning Designation and Amending the Official Zoning Map of Spanish Fork City, for the Sunroc Industrial Zone Change based on the findings and subject to the conditions provided in the staff report.

Councilman Gordon Seconded and the motion Passed all in favor with a roll call vote.

### **Ordinance Z04-21 Changing the Zoning Designation and Amending the Official Zoning Map of Spanish Fork City, for the Fieldstone Zone Change**

Dave Anderson stated that the next two items are identical and right next to each other. The applicant is requesting for the property to be zoned R-1-15 and it is consistent with the general plan. The Development Review Committee and the Planning Commission recommend approval.

Councilman Argyle Moved to go into public hearing.

Councilman Gordon Seconded and motion Passed all in favor at 7:36pm.

Mayor Leifson welcomed public comment.  
There was none.

Councilman Gordon Moved to go out of public hearing.

Councilwoman Beck Seconded and the motion Passed all in favor at 7:36pm.

Randy Smith, with Fieldstone homes, said at the Planning Commission meeting the preliminary plat for Quiet Valley was presented which is just below our property. The proposal is for the R-1-15 zone and he was wondering if the Council would like to have a blend from the neighboring project.

Mr. Anderson said that the R-1-15 is what was presented and applied for. If the applicant would like to change the zone change request, we would have to go back through the process.

Mr. Smith said to keep the initial request.

Councilwoman Beck disclosed that Fieldstone is a client at her place of work.



Councilman Gordon Moved to approve Ordinance Z04-21 Changing the Zoning Designation and Amending the Official Zoning Map of Spanish Fork City, for the Fieldstone Zone Change based on the finding provided in the staff report.  
Councilman Argyle Seconded and the motion Passed all in favor with a roll call vote.

**Ordinance Z05-21 Changing the Zoning Designation and Amending the Official Zoning Map of Spanish Fork City, for the Quiet Valley Zone Change**

Dave Anderson said this property is located at 1200 South 3400 East and includes 14.6 acres. The applicant is proposing to change the zoning from R-R to R-1-15. This is consistent with the general plan. The Development Review Committee and the Planning Commission recommends approval.

Councilman Argyle Moved to go into public hearing.  
Councilman Gordon Seconded and motion Passed all in favor at 7:44pm.

Mayor Leifson welcomed public comment.  
There was none.

Councilman Scoubes Moved to go out of public hearing.  
Councilman Gordon Seconded and the motion Passed all in favor at 7:45pm.

Councilwoman Beck Moved to approve Ordinance Z05-21 Changing the Zoning Designation and Amending the Official Zoning Map of Spanish Fork City, for the Quiet Valley Zone Change based on the finding provided in the staff report.  
Councilman Scoubes Seconded and the motion Passed all in favor with a roll call vote.

**Resolution #21-05 Amending the Spanish Fork City Water Conservation Plan**

Chris Thompson said this winter has been very dry so we are glad to be seeing some rain in the last couple of weeks. He thanked staff, John Waters and Paul Taylor for their time in the creation of this plan. Mr. Thompson reviewed that the City received several grants to give residents the smart controllers for their sprinkler systems that monitor the weather and provide a watering schedule.

Councilman Argyle Moved to go into public hearing.  
Councilman Gordon Seconded and motion Passed all in favor at 7:53pm.

Mayor Leifson welcomed public comment.  
There was none.

Councilman Gordon Moved to go out of public hearing.  
Councilman Argyle Seconded and the motion Passed all in favor at 7:53pm.

Councilwoman Beck commended past council and staff for committing to this project. It was a great decision and money saver.

Councilman Argyle Moved to approve Resolution #21-05 Amending the Spanish Fork City Water Conservation Plan.  
Councilman Gordon Seconded and the motion Passed all in favor with a roll call vote.

## NEW BUSINESS:

### **Quiet Valley Preliminary Plat**

Dave Anderson said the Council just approved the zone change for this project located at 1200 South 3400 East and includes 14.6 acres. The proposal is consistent with what has been worked on for the past year. The property now has zoning for R-1-15 and R-3. Staff has been working with the applicant to create a development agreement that would be brought to a future council meeting for approval. The Development Review Committee and the Planning Commission recommends approval.

Adam Lossner, DR Horton, presented their plan for the project for the 477 home project.

Councilman Gordon Moved to approve Quiet Valley Preliminary Plat based on the findings and subject to the conditions provided in the staff report.  
Councilman Scoures Seconded and the motion Passed all in favor.

### **Canyon Creek Intermountain Healthcare Project Signage Plan Amendment**

Dave Anderson said that about a month ago Woodbury was here to amend their sign plan. They would like to add this sign for the hospital that would be at Spanish Fork Parkway and Market Place Drive. The Planning Commission recommends approval.

Councilwoman Beck Moved to approve the Canyon Creek Intermountain Healthcare Project Signage Plan Amendment.  
Councilman Scoures Seconded and the motion Passed all in favor.

### **Spanish Fork Nursing and Rehab**

Dave Anderson said the applicant is asking for an eight foot masonry wall around their new facility that is being constructed at 100 East and Center Street. Mr. Anderson reminded Council that when someone wants a fence higher than 6 feet, they have to have approval from the Council. Staff has no concerns and recommends approval.

Councilman Gordon Moved to approve the proposed request to construct an eight foot tall fence for Spanish Fork Nursing and Rehab.  
Councilman Argyle Seconded and the motion Passed all in favor.

### **Bibliotheca Sales Agreement**

Scott Aylett said in preparation of the new building and increased efficiencies staff would like to purchase a more efficient automated sorter and a self-checkout system. Mr. Aylett highlighted that the library processes 1,000 items daily so with implementing the sorter, items will be processed more quickly. Mr. Aylett said with providing the self-checkout, the books will need to have the Radio Frequency Identification that the scanners read for checkout. With research, other libraries indicate the 70-90% of patrons use self checkout.

Councilman Argyle Moved to approve the Bibliotheca Sales Agreement for the Automated Materials Handling System (AMH) and the Radio Frequency Identification (RFID).  
Councilman Gordon Seconded and the motion Passed all in favor.

### **Aspen Discovery Sales Agreement**

Scott Aylett said that staff has been working on how to make our library more user friendly. Our online library catalog system is the base model and it doesn't have the best search feature. The system has an add-on that we would like to purchase to make our system better and more user friendly.

Councilwoman Beck Moved to approve the Aspen Discovery Sales Agreement.  
Councilman Argyle Seconded and the motion Passed all in favor.

### **Resolution #21-06 Approving the Municipal Wastewater Planning Program Self Assessment Report for 2020**

Chris Thompson explained that the State requires us to update this plan annually and has to be done by resolution. This is the report on the condition of the City sewer plant. It says that our plant is old and needs to be updated and that is what we are working on. The City has been planning for this and has gradually implemented rate increases to help pay for the project. They anticipate to start construction the summer of 2022.

Councilman Gordon Moved to approve Resolution #21-06 Approving the Municipal Wastewater Planning Program Self Assessment Report for 2020.  
Councilman Argyle Seconded and the motion Passed all in favor with a roll call vote.

### **Wastewater Treatment Plant Construction Manager/General Contractor Pre-construction Service Contract with Alder Construction**

Chris Thompson said that since the State has changed the regulations for the treatment plants, this project is not an option and it is the largest cost project we have done at \$90 million. Staff sent out an RFP and received five proposals. It was narrowed down to two and staff recommends that Alder Construction be approved as the CM/GC for pre-construction services.

Eric Alder, president of Alder Construction, gave a little history of his company.

Councilman Gordon Moved to approve the Alder Construction's Construction Manager/General Contractor Scope and Fee Proposal for the new Wastewater Treatment Plant Project.  
Councilman Argyle Seconded and the motion Passed all in favor.

### **SUVSWD North Sewer Lift Station Land Purchase Reimbursement Agreement**

Chris Thompson said that at the north end of town there are a lot of projects going on in the industrial area that are going to require a lot of infrastructure. There needs to be a new sewer lift station to accommodate the growth that is coming. The City has planned for this and has budgeted for it. Mr. Thompson said that this a reimbursement agreement because the South Utah Valley Solid Waste District was able to acquire the land and easements for the lift station.

Councilman Argyle Moved to approve SUVSWD North Sewer Lift Station Land Purchase Reimbursement Agreement.  
Councilman Scoubes Seconded and the motion Passed all in favor.

### **Landfill Monitoring Vent Project**

Chris Thompson explained that the old city landfill was sealed up before modern regulation. Staff wants to make sure it does not have an impact on the surrounding areas. Testing has been done and shows nothing. Mr. Thompson stated that UMPA

is going to build a solar farm on this property. They are fencing the whole property and we would like to insert these vents on the inside of this fence to monitor any gases.

Councilman Argyle Moved to approve the Landfill Monitoring Vent Project.  
Councilwoman Beck Seconded and the motion Passed all in favor.

**Resolution #21-07 Utah County Interlocal Agreement - 2021 Elections**

Kent Clark reviewed that back when you would go vote in person, each election would cost around \$5k-\$8k. As the process has evolved and the elections are vote-by-mail only, you can't go back to in person voting. In 2015, the County ran our election and it was around \$21k. Two years ago it cost \$31,000. The new contract for this year shows that the rate per registered voter is \$2.25, with a population of 21k voters, totals an estimate of around \$48k per election. Mr. Clark said staff would like to collect more cost details and would recommend that the City Council table this item until the April 6th 2 council meeting.

Seth Perrins added that with the increased costs over the years, the county is claiming that in the past they did not know the true cost. So over these years they are figuring out the better process and this is becoming the true cost and we just got a deal in the past.

Councilman Scoubes Moved to table Resolution #21-07 Utah County Interlocal Agreement - 2021 Elections.  
Councilwoman Beck Seconded and the motion Passed all in favor.

DISCUSSION:

There was none.

ADJOURN:

Councilman Gordon made a Motion to adjourn to Closed Session to discuss reasonably imminent litigation and land transactions.  
Councilman Scoubes Seconded and the motion Passed all in favor at 9:09p.m.

ADOPTED: \_\_\_\_\_

Angie Warner, Deputy Recorder